CLAIMS:

/	1. A method of communicating in a hierarchical cellular system, said
2	method comprising the steps of:
3 .	determining a timer value which is a function of the duration that a wireless
4	unit operates within at least a cell of a first layer; and
5	using said timer value in determining whether said wireless unit is to be
6	handed off to at least a cell of a second layer.
1	2. The method of claim 1 wherein said step of determining comprises:
2	starting a timer as said wireless unit operates within a first cell of said first
3	layer; and
4	stopping said timer after a trigger is detected for handing off said wireless uni
5	to a second cell of said first layer.
1	3. The method of claim 1 wherein said step of determining comprises:

- 3. The method of claim 1 wherein said step of determining comprises:
 determining an amount of time said wireless unit is within a first cell of said
 first layer before being handed off to a second cell of said first layer.
- 1 4. The method of claim 3 wherein said step of determining further 2 comprises:
- using said amount of time said wireless unit is within said first cell as said timer value.
- The method of claim 3 wherein said step of determining further comprises:
- determining said timer value as a function of said amount of time said wireless
 unit is within said first cell.

1	6. The method of claim 5 wherein said step of determining further
2	comprises:
3	determining said timer value as a function of amounts of time said wireless
4	unit is within cells of said first layer.
1	7. The method of claim 1 wherein said step of using comprises:
2	comparing said timer value to a first threshold; and
3	handing off said wireless unit to a second layer depending on said comparison
1	8. The method of claim 1 wherein said step of using further comprises:
2	comparing said timer value to a first threshold; and
3	handing off to a layer of smaller cells if said timer value is greater than said
4	first threshold.
1	9. The method of claim wherein said step of using further comprises:
2	comparing said timer value to a second threshold; and
3	handing off to a layer of larger cells if said timer value is less than said second
4	threshold.
1	10. The method of claim 9 wherein said step of using further comprises:
2	remaining in a current layer if said timer value is less than said first threshold
3	and greater than said second threshold.
1	11. An inter-layer handoff system for communicating in a hierarchical
2	cellular system, said system comprising:
3	processing circuitry configured to determine a timer value which is a function
4	of the duration that a wireless unit operates within at least a cell of a first layer of said
5	hierarchical cellular system and to use said timer value in determining whether said
6	wireless unit is to be handed off to at least a cell of a second layer.

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- 1 12. The system of claim 11 wherein said processing circuitry is configured 2 to start a timer as said wireless unit operates within a first cell of said first layer and to 3 stop said timer after a trigger is detected for handing off said wireless unit to a second 4 cell of said first layer.
- 1 13. The system of claim 11 wherein said processing circuitry is configured to determine an amount of time said wireless unit is within a first cell of said first layer before being handed off to at least a second cell of said first layer.
 - 14. The system of claim 13 wherein said processing circuitry configured to use said amount of time said wireless unit is within said first cell as said timer value.
 - 15. The system of claim 13 wherein said processing circuitry is configured to determine said timer value as a function of said amount of time said wireless unit is within said first cell.
 - 16. The system of claim 15 wherein said processing circuitry is configured to determine said timer value as a function of amounts of time said wireless unit is within cells of said first layer.
- 1 The system of claim 11 wherein said processing circuitry is configured 2 to compare said timer value to a first threshold and to handoff said wireless unit to a 3 second layer depending on said comparison.
- 1 18. The system of claim 11 wherein said processing circuitry is configured 2 to compare said timer value to a first threshold and handoff to a layer of smaller cells 3 if said timer value is greater than said first threshold.

- 1 19. The system of claim 18 wherein said processing circuitry further
- 2 configured to compare said timer value to a second threshold and handoff to a layer of
- 3 larger cells if said timer value is less than said second threshold.
- 1 20. The system of claim 19 wherein said processing circuitry further
- 2 configured to remain in a current layer if said timer value is less than said first
- 3 threshold and greater than said second threshold.